INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT

Form N-1

Foundry Operations

1. Melting operations (fill out this section for each furnace)

Type of furnace and year	Type of metal melted	Maximum melt rate of furnace (tons of metallics/hour)	Charging system capacity (tons of metallics/hour)

2. Pounds/charge of each component in charge (including non-metallics):

Component in the charge	lbs/charge

3. Cupola information:

Maximum combustion fan blast air volume (acfm)	Maximum blast air temperature (°F)	Cupola inside diameter (inches)

4. Control Equipment information:

Operations controlled	Type of control	Code on plot plan	Emission control efficiency (%)	Stack diameter (inches)	Stack Height (feet)	Gas flow rate (acfm)
Furnace						
Cupola						
Other (specify)						

Note: Complete Form E (Process Information) for Inoculation and Magnesium Treatment

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Form N-2

Foundry Operations

1. If one control device controls more than one operation, give it a code (A,B,C, etc.) to indicate which operations it controls. If you have more than one of any type of operation, list it in the blanks and fill out the additional information required. Use duplex sheets if necessary. The information provided should be consistent with Form F.

Operations controlled	Type of control	Code on plot plan	Emission control efficiency	Stack height (ft.)	Stack diameter (inches)	Gas flow rate (acfm)
Muller						
Elevator						
Screens						
Shakeout						
Storage bin						
Conveyor						

2. Sand handled:

Average tons of sand handled per ton of metallics charge	Maximum amount of sand which can be handled (tons/hr)
Type of binders used	Usage rate/tons of sand

Note: Submit a Flow Diagram for Sand Handling Operations on a Separate Sheet (Form F).